

ABSTRACT

A process for purifying ammonia removing impurities contained in a crude ammonia which comprises contacting a crude ammonia with a purification agent comprises: a manganese oxide (1), and at least one kind of metal oxide (2) selected from vanadium oxide, chromium oxide, stannic oxide, zirconium oxide, bismuth oxide, niobium oxide and tantalum oxide as an effective component; wherein a ratio between a number of manganese atom and a number of the entire metallic atoms of the effective component is 80 to 99%; and preferably further contacting with a synthetic zeolite. The purification agent enables to remove a slight amount of impurities such as oxygen, carbon dioxide and moisture to an extremely low concentration, and any repeated reproduction of the purification agent does not reduce the capability of removing impurities in crude ammonia, and the longevity of the purification agent was remarkably elongated than the conventional purification process.